



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

STAFF SUBMITTAL
for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

July 16, 2008
Honolulu, Hawaii

Application for a Stream Channel Alteration Permit (SCAP.1920.3)
Construction of a New 18-inch Diameter Drain Line and Related Drainage Improvements
Manoa Stream, Manoa, Oahu, TMK: (1) 2-9-029:056

APPLICANT:

Mr. Eugene Lee
Department of Design and Construction
City and County of Honolulu
650 South King Street, 11th Floor
Honolulu, HI 96813

LANDOWNER:

Mr. and Mrs. Paul Araki
3088 Kahewai Place
Honolulu, HI 96822

SUMMARY OF REQUEST:

Application for a Stream Channel Alteration Permit (SCAP) to construct a new 18-inch diameter drain line and related drainage improvements in Manoa Stream, Manoa, Oahu, TMK: (1) 2-9-029:056.

LOCATION: Exhibits 1a and 1b.

BACKGROUND:

The project will correct substandard conditions related to the location of an existing 18-inch diameter drain outlet. The drain outlet is setback about 20 feet from the Manoa Stream channel and has caused stream bank erosion as well as flooding of Kahewai Place during high flow conditions in Manoa Stream.

DESCRIPTION:

The project will include demolition of the existing headwall, construction of a drain manhole at the current headwall location, and installation of a new 18-inch diameter drain line that will be about 18 feet closer to the Manoa Stream channel and angled in the downstream direction. The new drain manhole will be of reinforced concrete, and the drain line will be an 18-inch diameter, high-density polyethylene (HDPE) pipe. About 35 cubic yards of fill will be placed over the new drain line, and concrete rubble

masonry (CRM) riprap will be constructed to protect the embankment and form an apron for the new 18-inch diameter drain outlet. Debris from the demolition work will be hauled out of the project site.

All work will take place within the City easement through a private property located along Manoa Stream. Access to the work site, including hauling out debris and hauling in fill material will be through the easement area. Appropriate best management practices (BMPs) will be utilized and will comply with the Department of Health Clean Water Branch and City and County of Honolulu regulations. BMP measures include a silt fence curtain between the stream channel and the work site, stabilized construction entrance, protective barriers for catch basins, and the immediate planting of ground cover over fill areas. Silt laden runoff shall be prohibited from leaving the work area.

The construction time is anticipated to be 60 calendar days. The contractor will be responsible for liability during construction and shall be licensed, bonded and insured as required in the contract with the City.

ANALYSIS:

The Department of Health Clean Water Branch made the following comments:

- Any project and its potential impacts to State waters must meet the State's anti-degradation policy that requires the existing level of water quality to be maintained and protected.
- There was insufficient information to render a determination on the requirements for a National Pollutant Discharge Elimination System (NPDES) permit for discharges of wastewater including storm runoff into State waters.
- The applicant must provide a copy of the applicant's Department of the Army (DA) permit application and DA regulatory jurisdictional determination for further review and comment.
- The SCAP application does not contain sufficient information regarding DOH's water pollution control requirements.
- Any discharges related to project construction or operation activities must comply with State Water Quality Standards.

The City and County of Honolulu Department of Planning and Permitting (DPP) made the following comments:

- A Special Management Area (SMA) permit is not required.
- A "No-Rise" determination is required because the project is located within the Zone AE floodway district.
- A grading permit is not required because the grading work is less than 50 cubic yards.
- The applicant should obtain written authorization for any work in private property from the respective property owners.

The Division of Aquatic Resources (DAR) had previously commented that Manoa Stream provides habitat for more than eight species of native microfauna, including five native fish species, as well as crustacean, mollusk and native damselfly.

The Engineering Division commented that: 1) the project is located in Flood Zone AE according to the Flood Insurance Rate Map (FIRM), and developments within Zone AE are regulated by the National Flood Insurance Program (NFIP); and 2) this project site must comply with the rules and regulations of the NFIP.

Historic Preservation commented that there are no known archaeological resources within the project area. The project area has been previously disturbed by the construction of the existing headwall and drainpipe, and it is unlikely historic resources would have existed within the project area.

The Department of Hawaiian Home Lands, State Parks and Forestry and Wildlife had no objections to the project. Land Division commented that no permits were required from the division for the proposed project.

The U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, University of Hawaii Environmental Center, and Office of Hawaiian Affairs did not submit comments as of the date of preparation of this submittal.

RECOMMENDATION:

That the Commission approve a Stream Channel Alteration Permit to construct a new 18-inch diameter drain line and related drainage improvements in Manoa Stream, Manoa, Oahu, TMK: (1) 2-9-029:056. The permit shall have a term of two (2) years subject to the Commission's standard permit conditions in Exhibit 5.


Respectfully submitted,



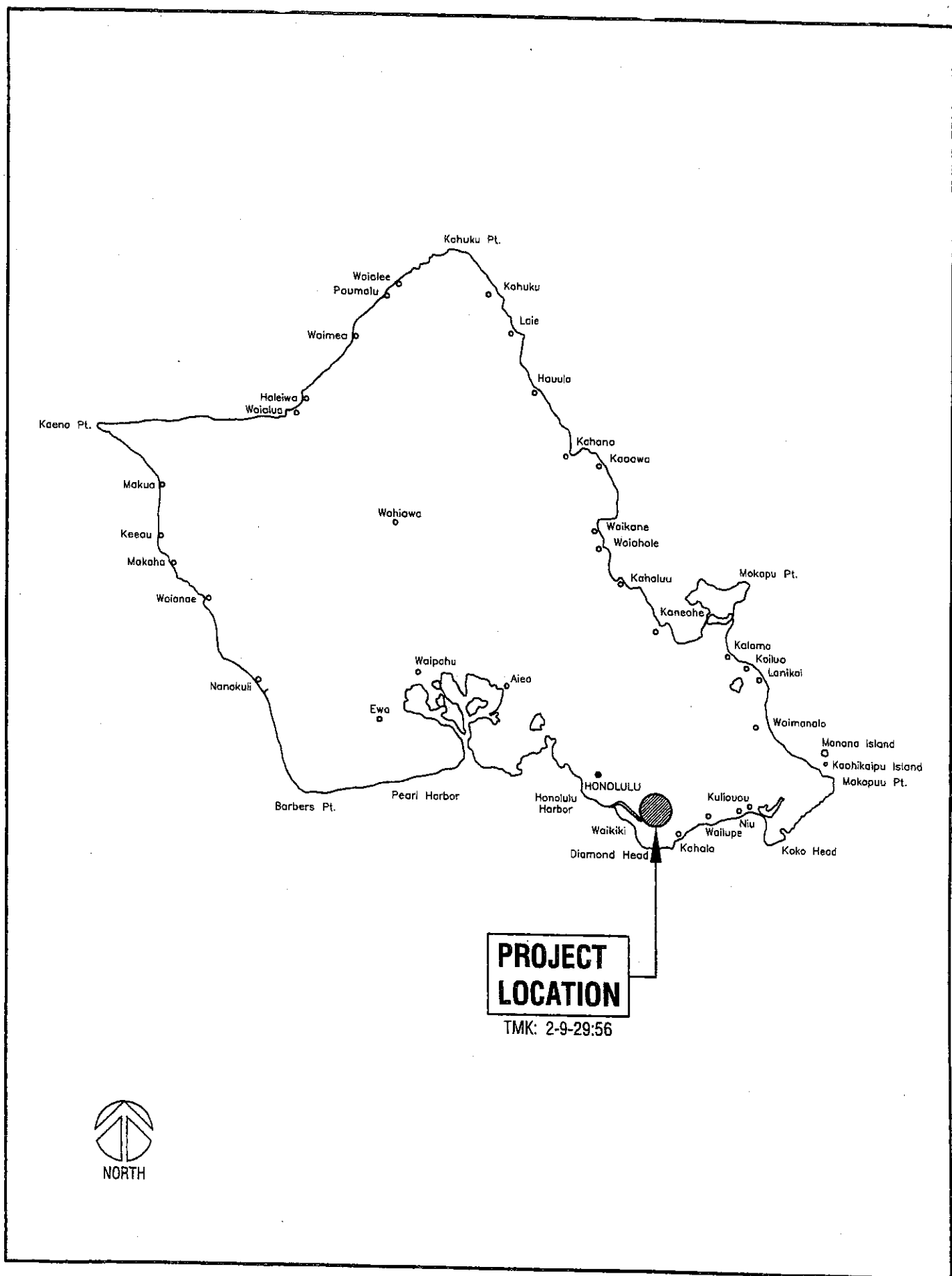
KEN C. KAWAHARA, P.E.
Deputy Director

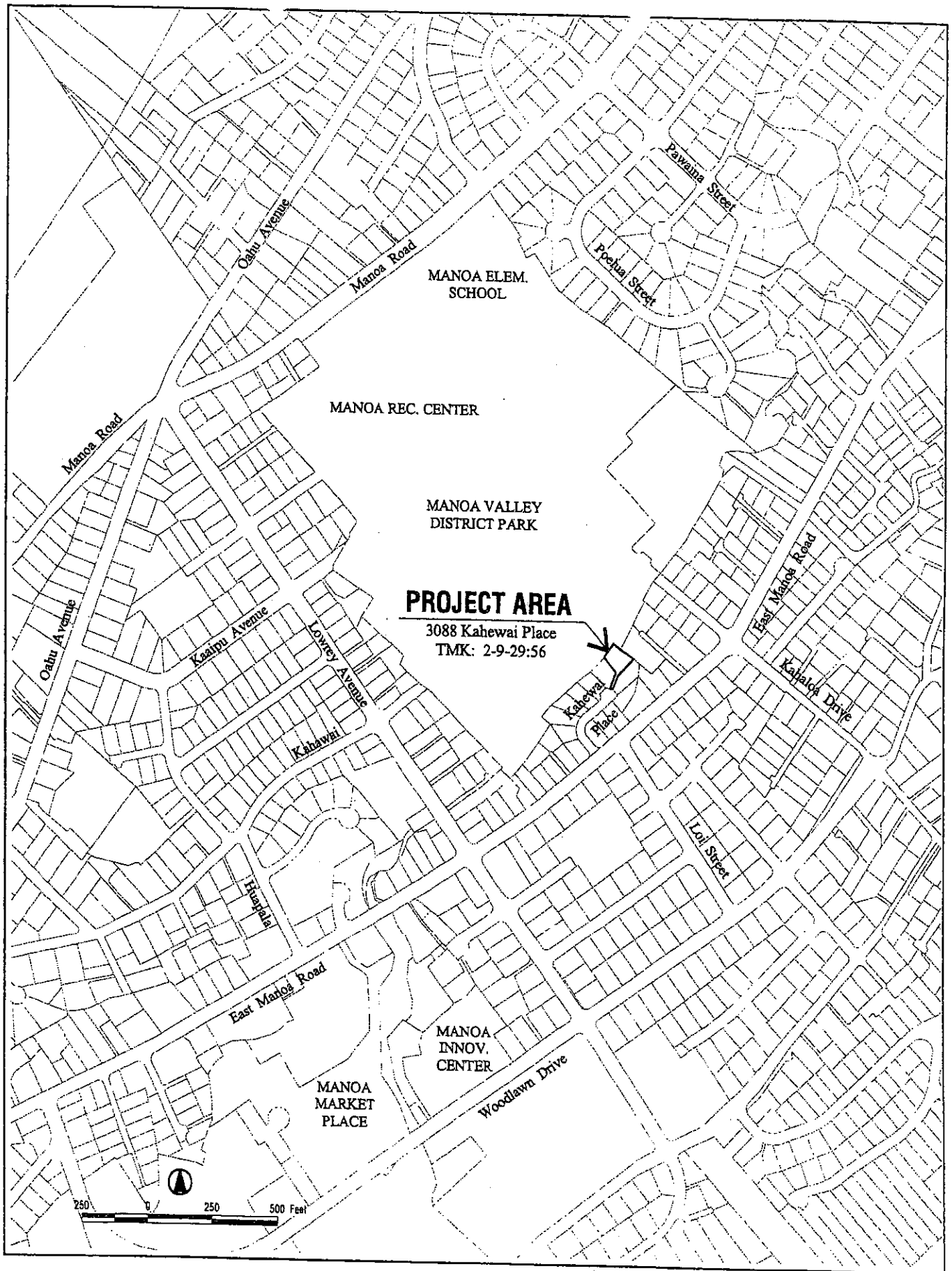
- Exhibits:
1. Location Maps 1a and 1b
 2. General Plan
 3. Site and Grading Plan
 4. Construction Details
 5. Standard Stream Channel Alteration Permit Conditions

APPROVED FOR SUBMITTAL:



LAURA H. THIELEN
Chairperson







1 DRAIN OUTLET
C-5 SCALE: 1/2"=1'-0"

REVISION		DATE	DEPARTMENT OF DESIGN AND CONSTRUCTION OFFICE OF COMMUNITY DEVELOPMENT CIVIL DIVISION	
SHEET NO.		APPROVED		MANOA VALLEY DRAINAGE IMPROVEMENTS Honolulu, Oahu, Hawaii
SHEET NO.		APPROVED		
DETAILS				
EXODER EXAMINE CHECKED DATE PROJECT NO.	REY TM JM MAY, 2007 6-07	APPROVED DATE FILE	C-5 SHEET 8 OF 8 SHEETS DRAWN CHECKED DATE	

STANDARD STREAM CHANNEL ALTERATION PERMIT CONDITIONS

(Revised 9/19/07)

1. The permit application and staff submittal approved by the Commission at its meeting on July 16, 2008, shall be incorporated herein by reference.
2. The applicant shall comply with all other applicable statutes, ordinances, and regulations of the Federal, State and county governments.
3. The applicant, his successors, assigns, officers, employees, contractors, agents, and representatives, shall indemnify, defend, and hold the State of Hawaii harmless from and against any claim or demand for loss, liability, or damage including claims for property damage, personal injury, or death arising out of any act or omission of the applicant or his successors, assigns, officers, employees, contractors, and agents under this permit or related to the granting of this permit.
4. The applicant shall notify the Commission, by letter, of the actual dates of project initiation and completion. The applicant shall submit a set of as-built plans and photos of the completed work to the Commission upon completion of this project. This permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The proposed work under this stream channel alteration permit shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.
5. Before proceeding with any work authorized by the Commission, the applicant shall submit one set of construction plans and specifications to determine consistency with the conditions of the permit and the declarations set forth in the permit application.
6. *The applicant shall develop site-specific, construction best management practices (BMPs) that are designed, implemented, operated, and maintained by the applicant and its contractor to properly isolate and confine construction activities and to contain and prevent any potential pollutant(s) discharges from adversely impacting state waters. BMPs shall control erosion and dust during construction and schedule construction activities during periods of low stream flow.*
7. *The applicant shall protect and preserve the natural character of the stream bank and stream bed to the greatest extent possible. The applicant shall plant or cover lands denuded of vegetation as quickly as possible to prevent erosion and use native plant species common to riparian environments to improve the habitat quality of the stream environment.*
8. In the event that subsurface cultural remains such as artifacts, burials or deposits of shells or charcoal are encountered during excavation work, the applicant shall stop work in the area of the find and contact the Department's Historic Preservation Division immediately. Work may commence only after written concurrence by the State Historic Preservation Division.